Release notes for ENDF/B Development n-069_ Tm_170 evaluation



April 26, 2017

• psyche Warnings:

1. Non-threshold reaction with Q value differing from PSYCHE's expectations FILE 3 / SECTION 22 / THE CALCULATED Q 7.43248E+05 DISSAGREES WITH THE GIVEN Q 8.51000E+05 (0): Iffy Q

FILE 3 SECTION 22

THE CALCULATED Q 7.43248E+05 DISSAGREES WITH THE GIVEN Q 8.51000E+05

2. Non-threshold reaction with Q value differing from PSYCHE's expectations FILE 3 / SECTION 112 / THE CALCULATED Q 1.54363E+06 DISSAGREES WITH THE GIVEN Q 1.14600E+06 (0): Iffy Q

FILE 3

SECTION 112

THE CALCULATED Q 1.54363E+06 DISSAGREES WITH THE GIVEN Q 1.14600E+06

- linear Errors:
 - 1. Negative cross section found θ : Neg. Sig(E)

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Linearize ENDF/B Cross Sections (LINEAR 2015-1)

Retrieval Criteria------ MAT

Monitor Mode------ 0ff

Minimum Cross Section----- 1.0000E-10 (Default Option)

... [169 more lines]
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• fudge-4.0 Warnings:

1. Potential scattering hasn't converted, you need more L's!
resonances / resolved / MultiLevel_BreitWigner (Error # 0): potentialScatteringNot-Converged

WARNING: Potential scattering hasn't converged by L=0 at E=89.6 eV, xs[0]/xs[0]=100.0% > 0.1%

2. Cross section does not match sum of linked reaction cross sections crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 2.59%

3. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 1:\ (z,n)\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 13.86%

- fudge-4.0 Errors:
 - 1. Calculated and tabulated Q values disagree. reaction label 41: n[multiplicity:'2'] + Tm169 + gamma (Error # 0): Q mismatch

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WARNING: Calculated and tabulated Q-values disagree: -6565003.797332764 eV vs -6.5934e6 eV!
```

2. Energy range of data set does not match cross section range reaction label 41: n[multiplicity:'2'] + Tm169 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6632130.0 -> 30000000.0) vs (6632536.0 -> 30000000.0)

3. Energy range of data set does not match cross section range reaction label 41: n[multiplicity:'2'] + Tm169 + gamma / Product: gamma / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6632130.0 -> 30000000.0) vs (6632536.0 -> 30000000.0)

4. Energy range of data set does not match cross section range reaction label 41: n[multiplicity:'2'] + Tm169 + gamma / Product: gamma / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6632130.0 -> 30000000.0) vs (6632536.0 -> 30000000.0)

5. Energy range of data set does not match cross section range reaction label 41: n[multiplicity:'2'] + Tm169 + gamma / Product: gamma / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6632130.0 -> 30000000.0) vs (6632536.0 -> 30000000.0)

6. Calculated and tabulated Q values disagree. reaction label 42: n[multiplicity:'3'] + Tm168 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -14598619.93673706 eV vs -1.4626e7 eV!

7. Calculated and tabulated Q values disagree.

reaction label 43: n[multiplicity:'4'] + Tm167 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -21439290.28005981 eV vs -2.1466e7 eV!

8. Calculated and tabulated Q values disagree.
reaction label 44: n + H1 + Er169 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6133486.94543457 eV vs -3.938e6 eV!

9. Calculated and tabulated Q values disagree. reaction label 45: H1 + Er170 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 1123753.124664307 eV vs 1.096e6 eV!

10. Calculated and tabulated Q values disagree. reaction label 46: H1 + Er170_e1 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 1045153.124664307 eV vs 1.0174e6 eV!

11. Calculated and tabulated Q values disagree. reaction label 47: $H1 + Er170_{-}e2$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 863603.1246643066 eV vs 835850. eV!

12. Calculated and tabulated Q values disagree. reaction label 48: $H1 + Er170_-e3$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 583033.1246643066 eV vs 555280. eV!

13. Calculated and tabulated Q values disagree. reaction label 49: H1 + Er170-e4 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 232863.1246643066 eV vs 205110. eV!

14. Calculated and tabulated Q values disagree. reaction label 50: H1 + Er170_e5 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 208733.1246643066 eV vs 180980. eV!

15. Calculated and tabulated Q values disagree.

reaction label 51: H1 + Er170_e6 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 189723.1246643066 eV vs 161970. eV!

16. Calculated and tabulated Q values disagree. reaction label 52: H1 + Er170-e7 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 163753.1246643066 eV vs 1.36e5 eV!

17. Calculated and tabulated Q values disagree. reaction label 53: H1 + Er170-e8 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 113213.1246643066 eV vs 85460. eV!

18. Calculated and tabulated Q values disagree. reaction label 54: $H1 + Er170_{-}e9$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 20393.12466430664 eV vs -7360. eV!

19. Calculated and tabulated Q values disagree.
reaction label 55: H1 + Er170_e10 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3566.875335693359 eV vs -31320. eV!

20. Calculated and tabulated Q values disagree. reaction label 56: $H1 + Er170_{-}e11$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -93746.87533569336 eV vs -1.215e5 eV!

21. Calculated and tabulated Q values disagree. reaction label 57: H1 + Er170_e12 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -112856.8753356934 eV vs -140610. eV!

22. Calculated and tabulated Q values disagree. reaction label 58: H1 + Er170_e13 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -142886.8753356934 eV vs -170640. eV!

23. Calculated and tabulated Q values disagree. reaction label 59: $H1 + Er170_{-}e14$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -144936.8753356934 eV vs -172690. eV!

24. Calculated and tabulated Q values disagree. reaction label 60: $H1 + Er170_{-}e15$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -180246.8753356934 eV vs -2.08e5 eV!

25. Calculated and tabulated Q values disagree. reaction label 61: H1 + Er170-e16 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -180826.8753356934 eV vs -208580. eV!

26. Calculated and tabulated Q values disagree. reaction label 62: $H1 + Er170_e17$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -181496.8753356934 eV vs -209250. eV!

27. Calculated and tabulated Q values disagree.
reaction label 63: H1 + Er170_e18 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -200536.8753356934 eV vs -228290. eV!

28. Calculated and tabulated Q values disagree. reaction label 64: H1 + Er170_e19 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -208246.8753356934 eV vs -2.36e5 eV!

29. Calculated and tabulated Q values disagree. reaction label 65: H1 + Er170_e20 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -211246.8753356934 eV vs -2.39e5 eV!

30. Calculated and tabulated Q values disagree. reaction label 66: $H1 + Er170_-e21$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -216456.8753356934 eV vs -244210. eV!

31. Calculated and tabulated Q values disagree. reaction label 67: $H1 + Er170_-e22$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -226746.8753356934 eV vs -2.545e5 eV!

32. Calculated and tabulated Q values disagree. reaction label 68: H1 + Er170_e23 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -246846.8753356934 eV vs -2.746e5 eV!

33. Calculated and tabulated Q values disagree. reaction label 69: H1 + Er170_e24 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -248346.8753356934 eV vs -2.761e5 eV!

34. Calculated and tabulated Q values disagree. reaction label 70: $H1 + Er170_-e25$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -252846.8753356934 eV vs -2.806e5 eV!

35. Calculated and tabulated Q values disagree. reaction label 71: $H1 + Er170_-e26$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -261656.8753356934 eV vs -289410. eV!

36. Calculated and tabulated Q values disagree.

reaction label 72: H1 + Er170_e27 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -278206.8753356934 eV vs -305960. eV!

37. Calculated and tabulated Q values disagree. reaction label 73: H1 + Er170_e28 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -289386.8753356934 eV vs -317140. eV!

38. Calculated and tabulated Q values disagree. reaction label 74: H1 + Er170_e29 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -292496.8753356934 eV vs -320250. eV!

39. Calculated and tabulated Q values disagree. reaction label 75: H1 + Er170_e30 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -298346.8753356934 eV vs -3.261e5 eV!

40. Calculated and tabulated Q values disagree. reaction label 76: $H1 + Er170_-e31$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -309216.8753356934 eV vs -336970. eV!

41. Calculated and tabulated Q values disagree. reaction label 77: $H1 + Er170_-e32$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -359606.8753356934 eV vs -387360. eV!

42. Calculated and tabulated Q values disagree. reaction label 78: $H1 + Er170_-e33$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -360056.8753356934 eV vs -387810. eV!

43. Calculated and tabulated Q values disagree. reaction label 79: H1 + Er170_e34 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -364156.8753356934 eV vs -391910. eV!

44. Calculated and tabulated Q values disagree. reaction label 80: $H1 + Er170_e35$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -372336.8753356934 eV vs -400090. eV!

45. Calculated and tabulated Q values disagree. reaction label 81: $H1 + Er170_-e36$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -377116.8753356934 eV vs -404870. eV!

46. Calculated and tabulated Q values disagree. reaction label 82: H1 + Er170_e37 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -382476.8753356934 eV vs -410230. eV!

47. Calculated and tabulated Q values disagree. reaction label 83: $H1 + Er170_-e38$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -402666.8753356934 eV vs -430420. eV!

48. Calculated and tabulated Q values disagree. reaction label 84: H1 + Er170_e39 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -415246.8753356934 eV vs -4.43e5 eV!

49. Calculated and tabulated Q values disagree. reaction label 85: $H1 + (Er170_c -> Er170 + gamma)$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -415246.8753356934 eV vs -4.43e5 eV!

50. Calculated and tabulated Q values disagree. reaction label 86: He4 + Ho167 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 8160540.197937012 eV vs 8.135e6 eV!

51. Calculated and tabulated Q values disagree. reaction label 87: He4 + Ho167-e1 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 8062540.197937012 eV vs 8.037e6 eV!

52. Calculated and tabulated Q values disagree.
reaction label 88: He4 + Ho167-e2 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 7940540.197937012 eV vs 7.915e6 eV!

53. Calculated and tabulated Q values disagree. reaction label 89: He4 + Ho167-e3 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 7901200.197937012 eV vs 7875660. eV!

54. Calculated and tabulated Q values disagree. reaction label 90: He4 + Ho167_e4 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 7840790.197937012 eV vs 7815250. eV!

55. Calculated and tabulated Q values disagree. reaction label 91: He4 + Ho167_e5 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 7768060.197937012 eV vs 7742520. eV!

- 56. Calculated and tabulated Q values disagree. reaction label 92: He4 + Ho167_e6 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7757540.197937012 eV vs 7.732e6 eV!
- 57. Calculated and tabulated Q values disagree. reaction label 93: He4 + Ho167-e7 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7750570.197937012 eV vs 7725030. eV!
- 58. Calculated and tabulated Q values disagree.
 reaction label 94: He4 + Ho167-e8 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7652540.197937012 eV vs 7.627e6 eV!
- 59. Calculated and tabulated Q values disagree. reaction label 95: He4 + Ho167-e9 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7620540.197937012 eV vs 7.595e6 eV!
- 60. Calculated and tabulated Q values disagree.

 reaction label 96: He4 + Ho167_e10 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7590850.197937012 eV vs 7565310. eV!
- 61. Calculated and tabulated Q values disagree. reaction label 97: He4 + Ho167-e11 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7458540.197937012 eV vs 7.433e6 eV!
- 62. Calculated and tabulated Q values disagree. reaction label 98: He4 + Ho167_e12 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7356540.197937012 eV vs 7.331e6 eV!
- 63. Calculated and tabulated Q values disagree.

 reaction label 99: He4 + Ho167_e13 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7238540.197937012 eV vs 7.213e6 eV!
- 64. Calculated and tabulated Q values disagree. reaction label 100: He4 + Ho167-e14 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7186540.197937012 eV vs 7.161e6 eV!
- 65. Calculated and tabulated Q values disagree. reaction label 101: He4 + Ho167_e15 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7154540.197937012 eV vs 7.129e6 eV!
- 66. Calculated and tabulated Q values disagree.

 reaction label 102: He4 + Ho167_e16 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7068540.197937012 eV vs 7.043e6 eV!

- 67. Calculated and tabulated Q values disagree. reaction label 103: He4 + Ho167_e17 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7061040.197937012 eV vs 7.0355e6 eV!
- 68. Calculated and tabulated Q values disagree. reaction label 104: He4 + Ho167_e18 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7011540.197937012 eV vs 6.986e6 eV!
- 69. Calculated and tabulated Q values disagree.
 reaction label 105: He4 + Ho167-e19 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 6995540.197937012 eV vs 6.97e6 eV!
- 70. Calculated and tabulated Q values disagree. reaction label 106: He4 + Ho167_e20 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 6991740.197937012 eV vs 6.9662e6 eV!
- 71. Calculated and tabulated Q values disagree.
 reaction label 107: He4 + Ho167-e21 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 6919940.197937012 eV vs 6.8944e6 eV!
- 72. Calculated and tabulated Q values disagree.
 reaction label 108: He4 + Ho167-e22 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 6885540.197937012 eV vs 6.86e6 eV!
- 73. Calculated and tabulated Q values disagree. reaction label 109: He4 + Ho167-e23 (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 6757540.197937012 eV vs 6.732e6 eV!
- 74. Calculated and tabulated Q values disagree. reaction label 110: He4 + (Ho167_c -> Ho167 + gamma) (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 6757540.197937012 eV vs 6.732e6 eV!
- 75. Calculated and tabulated Q values disagree. reaction label 111: $Tm171 + gamma \ (Error \# 0)$: Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 7513263.269561768 eV vs 7.4864e6 eV!
- 76. Calculated and tabulated Q values disagree. reaction label 112: n + He4 + Ho166 + gamma (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 879568.4540405273 eV vs 8.51e5 eV!
- 77. Calculated and tabulated Q values disagree. reaction label 113: n + He3 + Ho167 + gamma (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: -12415945.9402771 eV vs 8.135e6 eV!

- 78. Calculated and tabulated Q values disagree.

 reaction label 114: H1 + H2 + Ho168 + gamma (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: -12063767.50167847 eV vs -6.579e6 eV!
- 79. Calculated and tabulated Q values disagree.

 reaction label 115: H1 + He4 + Dy166 + gamma (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: 1175585.524383545 eV vs 1.146e6 eV!
- 80. Calculated and tabulated Q values disagree. reaction label 116: $H2 + (Er169_s -> Er169 + gamma)$ (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: -3913293.942749023 eV vs -3.938e6 eV!
- 81. Calculated and tabulated Q values disagree.

 reaction label 117: He3 + (Ho168_s -> Ho168 + gamma) (Error # 0): Q mismatch
 - WARNING: Calculated and tabulated Q-values disagree: -6564448.686828613 eV vs -6.579e6 eV!
- njoy2012 Warnings:
 - 1. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (0): HEATR/hinit (4)
 - ---message from hinit---mf6, mt 16 does not give recoil za= 69169 one-particle recoil approx. used.
 - 2. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (1): HEATR/hinit (4)
 - ---message from hinit---mf6, mt 17 does not give recoil za= 69168 one-particle recoil approx. used.
 - 3. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (2): HEATR/hinit (4)
 - ---message from hinit---mf6, mt 22 does not give recoil za= 67166 one-particle recoil approx. used.
 - 4. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (3): HEATR/hinit (4)
 - ---message from hinit---mf6, mt 28 does not give recoil za= 68169 one-particle recoil approx. used.
 - 5. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (4): HEATR/hinit (4)
 - ---message from hinit---mf6, mt 34 does not give recoil za= 67167 one-particle recoil approx. used.
 - 6. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (5): HEATR/hinit (4)

- ---message from hinit---mf6, mt 37 does not give recoil za= 69167 one-particle recoil approx. used.
- 7. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (6): HEATR/hinit (4)
 - ---message from hinit---mf6, mt 91 does not give recoil za= 69170 one-particle recoil approx. used.
- 8. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (7): HEATR/hinit (4)
 - ---message from hinit---mf6, mt102 does not give recoil za= 69171 photon momentum recoil used.
- 9. Recoil is not given, so one-particle recoil approximation used. $heatr...prompt\ kerma\ (8):\ HEATR/hinit\ (4)$
 - ---message from hinit---mf6, mt104 does not give recoil za= 68169 one-particle recoil approx. used.
- 10. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (9): HEATR/hinit (4)
 - ---message from hinit---mf6, mt106 does not give recoil za= 67168 one-particle recoil approx. used.
- 11. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (10): HEATR/hinit (4)
 - ---message from hinit---mf6, mt112 does not give recoil za= 66166 one-particle recoil approx. used.
- 12. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (11): HEATR/hinit (4)
 - ---message from hinit---mf6, mt115 does not give recoil za= 67168 one-particle recoil approx. used.
- 13. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (12): HEATR/hinit (4)
 - ---message from hinit---mf6, mt649 does not give recoil za= 68170 one-particle recoil approx. used.
- 14. Recoil is not given, so one-particle recoil approximation used. heatr...prompt kerma (13): HEATR/hinit (4)
 - ---message from hinit---mf6, mt849 does not give recoil za= 67167 one-particle recoil approx. used.
- acelst Warnings:
 - 1. The incident energy grid is not monotonic for this angular distribution $\theta\colon Bad\ Ang.\ Dist.$

ACELST WARNING - Processing Ang.Dist.MT E-grid non-monotonic 1.800000000E+01 1.800000000E+01

• endf2htm Warnings:

1. Build of a section of the HTML page failed because the format hasn't been implemented in ENDF2HTM. $MF32MT151:\ Unimplemented$

At line 2659 of file endf.f Fortran runtime error: Bad value during integer read